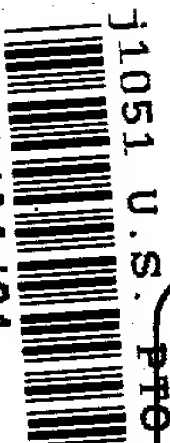


The PTO did not receive the following listed item(s) Post Card

09/24/01



1051 U.S. PRO

PTO/SB/05 (11-00)

Approved for use through 10/31/2002 OMB 0651-0032

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

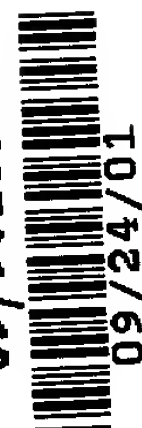
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. **RICD 00-21**  
First Inventor **John Schlager**  
Title **AUTOMATED METHOD OF IDENTIFYING AND ARCHIVING NUCLEIC ACID SEQUENCES**  
Express Mail Label No.

1051 U.S. PRO  
09/24/01



09/24/01

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

- ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
- ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
- ☒ Specification [Total Pages **48**]  
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
- ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets **3**]
- Oath or Declaration [Total Pages **3**]
  - ☒ Newly executed (original or copy)
  - ☐ Copy from a prior application (37 CFR 1.63 (d))  
(for continuation/divisional with Box 18 completed)
    - ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
- ☐ Application Data Sheet. See 37 CFR 1.76

ADDRESS TO: Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

- ☒ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
- Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - ☐ Computer Readable Form (CRF)
  - Specification Sequence Listing on:
    - ☐ CD-ROM or CD-R (2 copies); or
    - ☐ paper
  - ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

- ☐ Assignment Papers (cover sheet & document(s))
- ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☒ Power of Attorney **(3)**
- ☐ English Translation Document (if applicable)
- ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
- ☐ Preliminary Amendment
- ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
- ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
- ☐ Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent
- ☐ Other: **CD TRANSMITTAL LETTER**

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No. \_\_\_\_\_/\_\_\_\_\_

Prior application information

Examiner \_\_\_\_\_

Group Art Unit \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

☐ Customer Number or Bar Code Label

(Insert Customer No. or Attach bar code label here)

or ☐ Correspondence address below

Name **Office of the Staff Judge Advocate**  
Address **U.S. Army Medical Research and Materiel Command**  
**ATTN: mcmr-JA (Ms. Arwine) 504 Scott Street**  
City **Ft. Detrick** State **MD** Zip Code **21702**  
Country **US** Telephone **301-619-7808** Fax **301-619-5034**

Name (Print/Type) **William Eshelman** Registration No. (Attorney/Agent) **35,865**  
Signature **William Eshelman** Date **9/24/01**

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231

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# FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision

**Complete if Known**

Application Number	
Filing Date	
First Named Inventor	John Schlager
Examiner Name	
Group Art Unit	
Attorney Docket No	RICD 00-21

TOTAL AMOUNT OF PAYMENT (\$)  
710.00**METHOD OF PAYMENT**

- 1.
- ☒
- The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number: 21-0380  
Deposit Account Name: U.S. Army Med. Res. and Mat. C.

- ☒
- Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

☐ Applicant claims small entity status See 37 CFR 1.27

- 2.
- ☐
- Payment Enclosed:

☐ Check ☐ Credit card ☐ Money Order ☐ Other**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
101	710	201	355	Utility filing fee	710
106	320	206	160	Design filing fee	
107	490	207	245	Plant filing fee	
108	710	208	355	Reissue filing fee	
114	150	214	75	Provisional filing fee	

SUBTOTAL (1) (\$)  
710**2. EXTRA CLAIM FEES**

Total Claims: 20  
Independent Claims: 2  
Multiple Dependent: 18

Extra Claims: 20\*\* = 0 X 18 = 0  
- 3\*\* = 0 X 80 = 0

Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
103	18	203	9	Claims in excess of 20
102	80	202	40	Independent claims in excess of 3
104	270	204	135	Multiple dependent claim, if not paid
109	80	209	40	** Reissue independent claims over original patent
110	18	210	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)  
0

\*\*or number previously paid, if greater, For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for ex parte reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	390	216	195	Extension for reply within second month	
117	890	217	445	Extension for reply within third month	
118	1,390	218	695	Extension for reply within fourth month	
128	1,890	228	945	Extension for reply within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,240	241	620	Petition to revive - unintentional	
142	1,240	242	620	Utility issue fee (or reissue)	
143	440	243	220	Design issue fee	
144	600	244	300	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	710	246	355	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	710	249	355	For each additional invention to be examined (37 CFR § 1.129(b))	
179	710	279	355	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)  
0**SUBMITTED BY**

Complete (if applicable)

Name (Print/Type)	William Eshelman	Registration No (Attorney/Agent)	35,865	Telephone	540-899-5420
Signature	William Eshelman			Date	9/24/01

**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of : Schlager et al.

Art Unit: Unassigned

Appl. No.: Unassigned

Examiner: Unassigned

Filed: Concurrently herewith

Atty. Docket: RICD 00-21

For: AUTOMATED METHOD OF IDENTIFYING AND ARCHIVING NUCLEIC ACID  
SEQUENCES

**Transmittal Letter for Compact Discs**

Box Patent Application  
Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Enclosed are two duplicate compact discs (Copy 1 and Copy 2) that are identical. The compact discs contain a computer program listing appendix for the instant application. The machine format of the compact discs is IBM-PC. The operating system compatibility of the compact discs is MS Windows. The files on each compact disc, their dates of creation and their size in bytes are:

<u>File Name</u>	<u>Date Created</u>	<u>Size</u>
Distribution < DIRECTORY >		
Blank.xls	03/17/2000	34,816
BlankLibrary.xls	07/25/2001	70,144
Getting Started.doc	09/18/2001	41,472
Quick Start.doc	09/14/2001	25,088
SubtractionLibraryUtilityProgramUser'sManual.doc	07/25/2001	190,976
SubtractionLibraryUtility.exe	07/25/2001	360,960
TUTORIAL007.Seq	06/11/2001	604
TUTORIAL008.Seq	06/11/2001	632

TUTORIAL005.Seq	06/11/2001	684
TUTORIAL009.Seq	06/11/2001	647
TUTORIAL006.Seq	06/11/2001	686
TUTORIAL013.Seq	06/11/2001	1,188
TUTORIAL017.Seq	06/11/2001	666
TUTORIAL020.Seq	06/11/2001	611
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TUTORIAL014.Seq	06/11/2001	614
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TUTORIAL015.Seq	06/11/2001	657
TUTORIAL019.Seq	06/11/2001	665
TUTORIAL012.Seq	06/11/2001	619
TUTORIAL016.Seq	06/11/2001	641
TUTORIAL005r.Seq	06/11/2001	614
TUTORIAL001.Seq	06/11/2001	640
TUTORIAL PRIMERS.VEC	06/08/2001	2,039
TUTORIAL002.Seq	06/11/2001	643
TUTORIAL003.Seq	06/11/2001	627
TUTORIAL004.Seq	06/11/2001	682
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resource.h	02/06/2001	8,530
resource.hm	02/06/2001	4,528
startdlg.cpp	10/23/2000	3,742
startdlg.h	10/23/2000	1,093
StdAfx.cpp	10/11/2000	221
StdAfx.h	10/03/2000	602

SubtractionLibraryUtility.cpp	10/11/2000	4,047
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SubtractionLibraryUtility.rc	07/25/2001	28,316
SubtractionLibraryUtilityDlg.cpp	06/21/2001	209,771
SubtractionLibraryUtilityDlg.h	04/16/2001	6,943
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AfxDlg.rtf	02/07/2001	4,284,257
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09/27/2000

417

67 Files Listed: 30,595,230 bytes

The files under the "Distribution < DIRECTORY >" contain an executable form of the computer program. The files under the "Source\_code < DIRECTORY >" contain the source code for the computer program.

Respectfully submitted,



William Eshelman

Registration No. 35,865

Date: 9/24/01